SONOPULS 190 WITH STATUS™ PACK 100

ENRAF NONIUS
Partner for Life

The recently introduced Sonopuls 190 from Enraf-Nonius is a highly appreciated device for ultrasound therapy with multi-frequency treatment heads. A modern device with an extremely quick start-up and a full colour touchscreen to easily set-up your treatment parameters or to select any of the 25 evidence based treatment protocols. The compact and ergonomic design makes this small device a big asset for the therapist. A device that truly gives fast therapeutic results!

NOW AVAILABLE FOR THE SONOPULS 190 DEVICES:

STATUS™ PACK 100

SONOPULS StatUS™ HANDS-FREE ULTRASOUND

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Did you ever think how ideal it would be if you could conduct your ultrasound treatments without having to sit with the patient, moving the treatment head over the injured tissue? And wouldn't it be great if you could really transmit ultrasound energy right there where you need it and only there! This is no longer a dream, StatUS™ makes it possible! Not only is this treatment more beneficial to your patients, but it also saves you time in order to conduct other activities. Imagine the significant cost savings in the future!

HANDS-FREE ULTRASOUND

02-02-2015 - Enraf-Nonius Electro

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STANDARD ACCESSORIES FOR 1631901, 1631902 AND 1631903

1631810	Head holder for multi-frequency treatment head
3442929(1)	Contact-gel, 1 bottle of 250 ml(1)
1631750	User manual Sonopuls 190 (on CD)
0167154	Information sheet ultrasound gel
0167278	Information sheet mounting US head holder(s) Sonopuls 190
3440001	Screwdriver
3444357	Mains connecting cable

STANDARD ACCESSORIES FOR 1631904

0169842	Head holder StatUS™ applicator
3442941	Gelpad StatUS™ (240x)
3442942	Fixation ring gelpad StatUS™ (3x)
1631750	User manual Sonopuls 190
1629750	User manual StatUS™ Pack 100
1629751	Information booklet StatUS™ Pack 100
3440001	Screwdriver
3444357	Mains connecting cable

STANDARD ACCESSORIES FOR 1629901

0169842	Head holder StatUS™ applicator
3442941	Gelpad StatUS™ (240x)
3442942	Fixation ring gelpad StatUS™ (3x)
1629750	User manual StatUS™ Pack 100
1629751	Information booklet StatUS™ Pack 100

TECHNICAL SPECIFICATIONS

Ultrasoundfrequencies:	1 en 3 MHz
Ultrasound:	continuous and pulsed
Duty cycles	5, 10, 20, 33, 50, 80%
Pulse rate:	16 Hz, 48 Hz and 100 Hz
Numbers of US connections:	2
Intensity	0-2 W/cm^2 continuous, 0-3 W/cm^2 pulsed(2)
ERA US treatment head large:	5 cm^2
ERA US treatment head small:	0,8 cm^2
ERA StatUS™ applicator:	5 cm^2
Pre-programmed protocols:	25 evidence based protocols for Ultrasound therapy 52 evidence based protocols for StatUS™ therapy
Free program positions:	20 pcs
TFT touchscreen:	480x272 pixels
Main power:	100-240 V ± 10% (50/60Hz)
Dimensions (wxdxh):	21x19x9 cm (1631901 and 1631902), 29x19x9 cm(1631903), 22x16x14 cm (1631904), 22x12x9 cm (1629901)
Weight:	1152 gr (1631901), 1137 gr (1631902), 1524 gr (1631903), 1707 gr (1631904), 930 gr 1629901)

(1) = The Sonopuls is delivered with 1 bottle of contact-gel. The articlenumber 3442929 however represents a box of 12 bottles.
(2) = At a duty cycle of 80% the maximum output is 2,5 W/cm^2.

1631901 SONOPULS 190

With multi-frequency ultrasound head of 5 cm^2 and head holder

1631902 SONOPULS 190

With multi-frequency ultrasound head of 0,8 cm^2 and head holder

1631903 SONOPULS 190

With multi-frequency ultrasound head of 5 cm^2 and of 0,8 cm^2 and 2 head holders

1631904 SONOPULS 190 WITH STATUS™ PACK 100

With StatUS™ applicator and applicator holder

1629901 STATUS™ PACK 100

With StatUS™ applicator and applicator holder
Can be combined with the 1631901, 1631902 or 1631903 Sonopuls units (delivered as of serie 6, appr. March 2015).

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SONOPULS 190 WITH STATUS™ PACK 100

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STATUS™ (STATIC ULTRASOUND) REPRESENTS A NEW REVOLUTIONARY METHOD TO APPLY THERAPEUTIC ULTRASOUND IN THE UTMOST EFFICIENT WAY: HANDS-FREE!

Developed by Enraf-Nonius in collaboration with international institutes, StatUS™ is a safe and effective treatment opportunity to apply therapeutic ultrasound without having to move the treatment head. StatUS™ ultrasound is the latest development in therapy and treatment comfort.

A fast and time-saving application. Do more in less time! No more time consuming treatment methods, but quick and easy. The Sonopuls 190 with the StatUS™ Pack 100 offers numerous advantages for both the therapist and the patient. Simply connect the StatUS™ Pack 100 to your Sonopuls 190 and you can immediately benefit from **HANDS-FREE ULTRASOUND!**

Would you like to work with conventional treatment heads too? Even then there is a version that suits you! The StatUS™ Pack 100 can be connected to any of the Sonopuls devices from the 100 series that are equipped with either a large or small treatment head. Once connected, you simply choose if you want to use a conventional multi-frequency treatment head (dynamic method) or the StatUS™ applicator (for hands-free ultrasound).

SONOPULS 190 WITH STATUS™ PACK 100

HANDS-FREE ULTRASOUND MAKES A DIFFERENCE FOR PATIENT AND THERAPIST

StatUS ultrasound is a new revolutionary method of applying therapeutic ultrasound.

Over 60 years, therapeutic ultrasound appears to be one of the most frequently applied modalities within physical therapy.

These days ultrasound therapy has proven an effective method for treating numerous musculoskeletal and soft tissue disorders. Ultrasound therapy is ideal for successfully treating injuries of connective tissue (collagen) with a high density (e.g. ligaments, tendons, fascia, joint capsules and scar tissue).

Ultrasound can be applied in continuous or pulsed mode for thermal (heating) or non-thermal effects (for cell-up regulation). At a low dosage*, ultrasound clearly appears to have a stimulating effect on bone growth (accelerated fracture consolidation) as well as tendon and nerve repair.

* also known as LIPUS (Low Intensity Pulsed Ultrasound) or LIUS (Low Intensity Ultrasound)

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SONOPULS 190 WITH STATUS™ PACK 100

We have all learned that the ultrasound energy is applied by moving the treatment head (dynamic or semi-stationary method). Moving the treatment head is necessary because within an ultrasound bundle, as well as in the tissue, certain phenomena may occur which can lead to tissue damage in the form of hotspots. In addition, this application method is time consuming and labour intensive.

Although it is a static application method, StatUS™ therapy is safe and effective.

StatUS™ therapy does not really differ from conventional ultrasound therapy. The differences are found in the application method. The StatUS™ Pack 100 incorporates an unique technology and special modulations.

The StatUS™ applicator is a multi-frequency ultrasound treatment head that is integrated in a vacuum cup. In just a few seconds the applicator can be attached to the body.

SONOPULS 190 WITH STATUS™ PACK 100

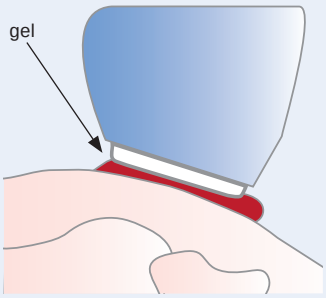
A non-liquid gelpad ensures good transmission of the ultrasound energy. The gelpad is held in place with a fixing ring. The vacuum pressure creates a perfect seal between the body, the gelpad and the treatment head. The constant perpendicular position of the fixed StatUS™ applicator reduces dosage variations as in dynamic ultrasound applications. This enhances clinical effectiveness and patient safety.

Despite the stationary application hot spots will not occur during StatUS™ treatment, due to two innovative and intelligent forms of modulation: Amplitude Modulation and Duty Cycle Modulation. These (patented) forms of modulation ensure safe treatments without the peak intensities that can create hot spots.

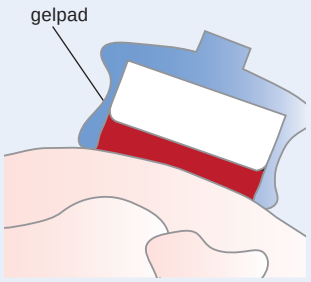
StatUS™ offers unprecedented advantages. StatUS™ therapy is the ideal and effective treatment method for musculoskeletal and soft tissue disorders. With the Sonopuls 190 and Status™ Pack 100 from Enraf-Nonius you can work both thermally and a-thermally. The Sonopuls 190 with StatUS™ Pack 100 is also ideally suited for LIPUS applications.

StatUS™ therapy is relatively simple. The parameters for StatUS™ therapy can be selected quickly and easily via the touchscreen. To simplify the therapy options, a number of pre-programmed StatUS™-protocols are stored in the Sonopuls 190. These evidence based protocols provide you with clear treatment instructions while the treatment parameters are set automatically.

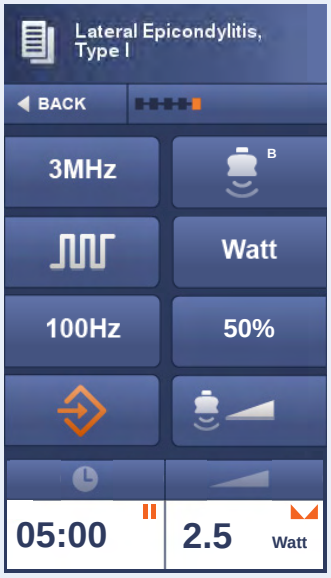
StatUS™ does this work for you, without compromising efficiency and effectiveness. StatUS™ makes your job faster, more targeted and more efficient

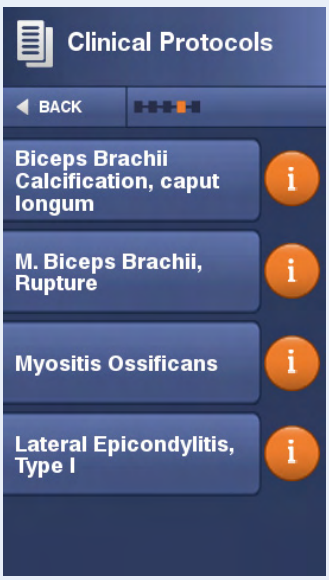


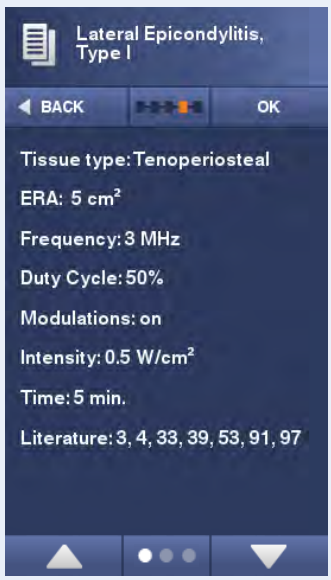
Contact surface when applying a traditional applicator and normal gel.

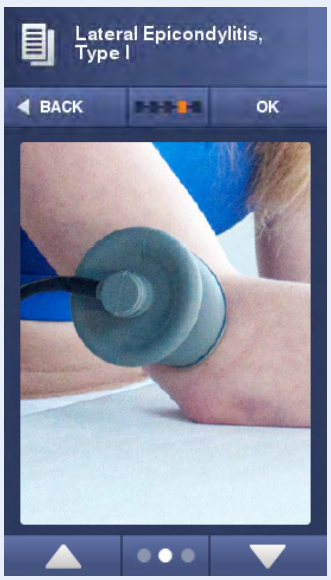


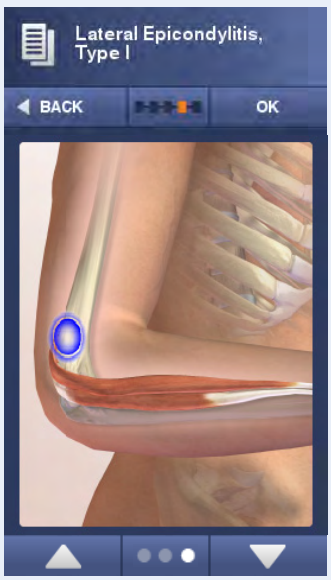
Contact surface when applying a StatUS™ applicator and the special gelpad.











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SONOPULS 190 WITH STATUS™ PACK 100

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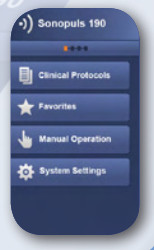
ADVANTAGES OF THE SONOPULS 190

EVIDENCE BASED PROTOCOLS

Provided with 25 evidence based treatment protocols for ultrasound treatment (and 52 protocols for StatUS™ treatment) including anatomical representations and clear guidelines for treatment. All protocols contain an extensive literature reference with cross references to every individual protocol.

PROGRAMMABLE

Besides the evidence based protocols you can store 20 protocols according to your own guidelines.



TOUCH SCREEN USER INTERFACE

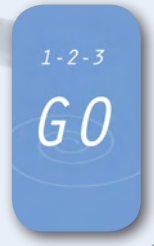
Easy to use by means of a clear menu via a touch screen interface. Extremely intuitive and as easy as a state-of-the-art smart phone.

COMPACT AND STYLISH

An extremely compact device, small and lightweight for easy transportation. At the same time stylish and beautiful, a device that is worth-while showing!

PROGRAMMED FOR SPEED

Start the unit and it is ready for immediate use. No start-up delay! The menu structure is optimised to speed. In most cases you can start a pathology-specific treatment in just 3 steps! Easy, quick and simple.



CRYSTAL CLEAR TFT COLOUR SCREEN

A crystal clear and scratch resistant screen that allows full visibility of all parameters from all viewing angles.

ERGONOMIC DESIGN

The treatment head is made to fit your hand comfortably. A design completely based on functionality and user friendliness.

BY ENRAF-NONIUS: SAFE, RELIABLE AND DURABLE

An Enraf-Nonius device, the worldwide supplier of physiotherapy and rehabilitation equipment. Made with special attention to quality, durability and safety.

2 TREATMENT HEADS POSSIBLE

You can connect both the small 0,8 cm^2 as well as the large 5 cm^2 ultrasound treatment head or the StatUS™ applicator in order to quickly change heads/applicator.

A TREATMENT HEAD WITH ADDED VALUE

An intelligent treatment head, packed with electronics and covered with a special coating making it smooth and comfortable to use and easy to clean.

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SONOPULS 190 WITH STATUS™ PACK 100

ADDITIONAL ADVANTAGES OF THE STATUS™ PACK 100

STATUS™ HANDS-FREE ULTRASOUND

The Sonopuls 190 with StatUS™ Pack 100 offers the possibility of **HANDS-FREE ULTRASOUND**. A fast and time-saving application. Do more in less time!

HANDS-FREE = TIME SAVING

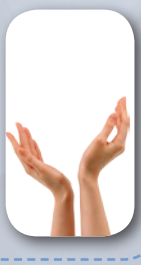
As StatUS™ is a hands-free therapy, the therapist has valuable extra time during treatment.

HANDS-FREE = LESS LABOUR INTENSIVE

As the therapist does not have to hold the head, StatUS™ is ideally suited for long(er) treatments.

HANDS-FREE = LESS DEMANDING

As the therapist does not have to hold the head, a StatUS™-treatment is physically less demanding.

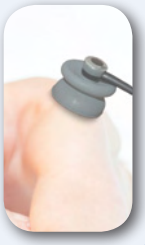


HANDS-FREE = GREATER EASE OF USE

Increased comfort for both the patient and the therapist.

FAST AND EASY

StatUS™-therapy is instantly available and easy to set up.



NON-LIQUID GELPADS

- No more gel residu
- Easy to clean / hygiënic
- Efficient energy transmission

SAFE

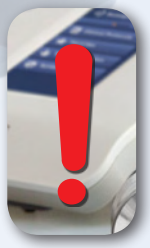
Special modulation forms ensure that undesired intensity peaks in the ultrasound bundle are considerably reduced. The chance of cavitation is reduced and the occurrence of hotspots is counter-acted.

EFFICIENT

The treatment head is always at the right angle. The special gelpad follows the body's contours. This combination ensures an even and constant transfer of energy along the whole surface of the head.

EFFECTIVE

The set treatment time is also the effective treatment time. The set capacity is effectively transferred to the appropriate tissue.



52 EVIDENCE BASED STATUS™ PROTOCOLS

The Sonopuls 190 with StatUS pack offers a full library with 52 evidence based protocols. Just with a few clicks you will get all information and the proper settings for the pathology selected.

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SONOPULS 190 WITH STATUS™ PACK 100

STATUS™ ACCESSORIES (ONLY FOR 1631904 OR 1629901)	
3442941	Gelpad StatUS™ (240x)
3442942	Fixation ring gelpad StatUS™ (3x)

ULTRASOUND ACCESSORIES	
ULTRASOUND CONTACT-GEL	
3442929	Contact-gel, bottle 250 ml, box of 12
3442930	Contact-gel, bottle 850 ml, box of 12
3442931	Contact-gel, canister of 5 l
3442932	Dispenser-set for 5 l canister

CASES AND BAGS	
3444061	Bag for Endomed and Sonopuls 1-serie, black

OTHER PRODUCTS THAT MIGHT INTEREST YOU

EN-CAR U
The EN-Car U is your companion for any piece of Enraf-Nonius equipment. For laser, ultrasound, biofeedback, shockwave or electrotherapy, with the EN-Car U you have it all close at hand.

ORDERING DATA
1468950 EN-Car U
1468960 EN-Car U3

Also see the seperate product leaflets at
WWW.ENRAF-NONIUS.COM/ELECTROTHERAPY